Experimental and Molecular Pathology

VOLUME 23, 1975

Editorial Board:

Kevin D. Barron
Renato Baserga
Earl P. Benditt
Klaus G. Bensch
Ramzi S. Cotran
Jack C. Geer
Godrey S. Getz
Joe W. Grisham
Alexander Haddow
W. Stanley Hartroft
Rolla B. Hill
William Hollander
Robert B. Jennings
Simon Koletsky
David Kritchevsky
Henry C. McGill
Gardner C. McMillan
Guido Majno
Joseph L. Melnick
Rudolfo D. Paoletti
Theodore Peters, Jr.
Hans Popper
Richard O. Recknagel
Abel Robertson
Russell Ross
Albert B. Sabin
Takio Shimamoto
Bruno Silvestrini
William J. S. Still
Ruy Peréz-Tamayo
Julien L. Van Lancker
Arthur F. Whereat

Editors:

Frederick Coulston

Wilbur A. Thomas

Managing Editor:

Kyu Taik Lee

Associate Editors:

Robert M. O'Neal

Leon Golberg

ACADEMIC PRESS

New York and London

A Subsidiary of Harcourt Brace Jovanovich, Publishers

Copyright © 1975 by Academic Press, Inc.
All rights reserved

No part of this publication may be reproduced or transmitted in any form, or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from the copyright owner.

MADE IN THE UNITED STATES OF AMERICA

CONTENTS OF VOLUME 23

Number 1, August 1975

Takeshi Kurozumi. Electron Microscopic Study on Permeability of the Aorta and Basilar Artery of the Rabbit—With Special Reference to the Changes of Permeability by Hypercholesteremia. 1

R. De Vos, C. De Wolf-Peeters, V. Desmet, L. Bianchi, and H. P. Rohr. Significance of Liver Canalicular Changes after Experimental Bile Duct Ligation. 12

Louis W. Chang, Alden W. Dudley, Jr., Young K. Lee, and Jordan Katz. Ultrastructural Studies of the Hepatocytes after Chronic Exposure to Low Levels of Halothane. 35

Y. G. Kim and S. S. Han. Studies on Hypoxia. X. Effects of Synthetic Polyribonucleotides on Pancreas from Hypoxic and Control Rats: An Electron Microscopic and Biochemical Study. 43

S. E. Coleman, J. Duggan, and R. L. Hackett. Changes in Freeze-fractured Nuclei after Renal Ischemia and Reflow in the Rat. 59

R. T. Parmley and S. S. Spicer. Altered Tissue Eosinophils in Hodgkin's Disease. 70

D. N. Kim, K. T. Lee, J. M. Reiner, and W. A. Thomas. Effect of Combined Clofibrate-Cholestyramine Treatment on Serum and Tissue Cholesterol Pools and on Cholesterol Synthesis in Hypercholesterolemic Swine. 83

W. D. Wagner and T. B. Clarkson. Comparative Primate Atherosclerosis II. A Biochemical Study of Lipids, Calcium, and Collagen in Atherosclerotic Arteries. 96

C. Terry Warnick and Harrison M. Lazarus. Increased Template Activity in Injured Tissue. 122

Y. C. Wong. Mucous Metaplasia of the Hamster Cheek Pouch Epithelium Under Hypervitaminosis A. 132

Richard J. Stenger, Mark Porway, Elizabeth A. Johnson, and Ranajit K. Datta. Effects of Chlordane Pretreatment on the Hepatotoxicity of Carbon Tetrachloride. 144

Number 2, October 1975

B. N. Tandon, H. D. Tandon, V. V. Ravi, and P. C. Gandhi. Diffuse Liver Injury in Amebic Abscess of the Liver: An Electron Microscopic Study. 155

B. J. Struthers, J. H. Wales, D. K. Lee, and R. O. Sinnhuber. Liver Composition and Histology of Rainbow Trout Fed Cyclopropenoid Fatty Acids. 164

Frederick S. Skelton, Hanspetter Witschi, and Gabriel L. Plaa. The Effects of Cycloheximide, Actinomycin D, and Ethionine on the Biliary Excretion of Labelled Alpha-Naphthylisothiocyanate in Rats. 171

B. J. Struthers, D. J. Lee, and R. O. Sinnhuber. Altered Lipid Metabolism in Livers of Rainbow Trout Fed Cyclopropenoid Fatty Acids. 181

G. Bartsch, Ch. Hindermann, and H. P. Rohr. The Effect of a Synthetic Progestine on the Fine Structure of Rat Prostate (Ultrastructural–Morphometric Analysis). 188

R. Abraham, J. Swart, L. Golberg, and F. Coulston. Electron Microscopic Observations of Hypothalami in Neonatal Rhesus Monkeys (*Macaca mulatta*) after Administration of Monosodium-L-Glutamate. 203

M. Oda, I. M. Yousef, and M. J. Philips. Isolation of Bile Ducts from Rat Liver: Technique and Preliminary Ultrastructural Characterization. .. 214

Copyright © 1975 by Academic Press, Inc.
All rights of reproduction in any form reserved.

Emma Shelton and Jan M. Orenstein. A Plating Method for Preparation of Cells for Culture and for Observation by Light or Electron Microscopy. 220
George Margolis, Lawrence Kilham, and J. Richard Baringer. Identity of Cowdry Type B Inclusions and Nuclear Bodies: Observations in Reovirus Encephalitis. 228
David H. Walker, Frederick A. Murphy, Sylvia G. Whitfield, and Sally P. Bauer. Lymphocytic Choriomeningitis: Ultrastructural Pathology. 245
Y. S. Kwak, D. N. Kim, and K. T. Lee. Effects of Lipids on the Stability of Lysosomes *In Vitro*. I. Effects of Egg Lecithin, Lysolecithin, Sphingomyelin, and Choloesterol on the Stability of Isolated Aortic and Hepatic Lysosomes of Swine. 266
R. H. Edmonds, D. A. Beeler, D. H. Treble, E. C. Kyriakides, J. Burnell, and J. A. Balint. Morphological Alterations in Type II Alveolar Cells in Essential Fatty Acid Deficiency. 276
SYMPOSIUM ON ANTI-SPERMATOGENIC DRUGS
Preface 287
B. Silvestrini, S. Burberi, B. Catanese, V. Cioli, F. Coulston, R. Lisciani, and P. Scorza Barcellona. Antispermatogenic Activity of 1-*p*-Chlorobenzyl-1*H*-Indazol-3-Carboxylic Acid (AF 1312/TS) in Rats. I. Trails of Single and Short-Term Administrations with Study of Pharmacologic and Toxicologic Effects. 288
S. Burberi, B. Catanese, V. Cioli, P. Scorza Barcellona, and B. Silvestrini. Antispermatogenic Activity of 1-*p*-Chlorobenzyl-1*H*-Indazol-3-Carboxylic Acid (AF 1312/TS) in Rats. II. A Study of Treatments of Duration Between 5 and 180 Days. 308
C. De Martino, M. Stefanini, A. Agrestini, D. Cocchia, M. Morelli, and P. Scorza Barcellona. Antispermatogenic Activity of 1-*p*-Chlorobenzyl-1*H*-Indazol-3-Carboxylic Acid (AF 1312/TS) in Rats. III. A Light and Electron Microscopic Study after Single Oral Doses. 321
F. Coulston, W. J. Dougherty, R. Lefevre, R. Abraham, and B. Silvestrini. Reversible Inhibition of Spermatogenesis in Rats and Monkeys with a New Class of Indazol-Carboxylic Acids. 357

Number 3, December 1975

Shiri N. Giri, Susan Rice, and Patricia Baccetti. Characteristic Features of Actinomycin D-Induced Paw Inflammation of the Rat. 367
R. G. Gerrity, B. A. Caplan, M. Richardson, J. F. Cade, J. Hirsh, and C. J. Schwartz. Endotoxin-Induced Endothelial Injury and Repair. I. Endothelial Cell Turnover in the Aorta of the Rabbit. 379
M. J. Iatropoulos, L. Golberg, and F. Coulston. Intestinal Carcinogenesis in Rats Using 1,2-Dimethylhydrazine with or without Degraded Carrageenan. 386
Keiji Suzuki, Sadao Hori, and Genju Ooneda. Derivation of Intimal Cells Appearing in Spontaneous Healing Process of Hypertensive Arterial Lesions. 402
Ronald A. Markle and Theodore M. Hollis. Rabbit Aortic Endothelial and Medial Histamine Synthesis Following Short-Term Cholesterol Feeding. 417
Fredrick A. Murphy, Alyne K. Harrison, and Sally P. Bauer. Experimental Vesicular Stomatitis Virus Infection: Ultrastructural Pathology. 426
Waykin Nopanitaya and Joe W. Grisham. Scanning Electron Microscopy of Mouse Intrahepatic Structures. 441
L. D. Loose, T. Stege, and N. R. Di Luzio. The Influence of Acute and Chronic Ethanol or Bourbon Administration on Phagocytic and Immune Responses in Rats. 459
Alberto Trillo and M. Daria Haust. Arterial Elastic Tissue and Collagen in Experimental Poststenotic Dilatation in Dogs. 473

W. M. Lee and K. T. Lee. Advanced Coronary Atherosclerosis in Swine Produced by Combination of Balloon-Catheter Injury and Cholesterol Feeding. 491
Dan W. Kaspar and John P. Kaltenbach. Incorporation of Glucosamine-^{3}H into Extracellular γ-Globulin by Ehrlich Ascites Tumor Cells. 500
Letter to the Editor 507
Author Index for Volume 23 509
Cumulative Subject Index (Volumes 22–23) 510